

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/667, 237C  
Source: JFW16  
Date Processed by STIC: 08/30/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/30/2006

PATENT APPLICATION: US/09/667,237C

TIME: 10:10:16

Input Set : F:\Reinl.ST25.txt

Output Set: N:\CRF4\08302006\I667237C.raw

```

3 <110> APPLICANT: Large Scale Biology Corporation
4     Stephen, Reinl
5     Lindbo, John
6     Turpen, Thomas
8 <120> TITLE OF INVENTION: CREATION OF VARIABLE LENGTH AND SEQUENCE LINKER REGIONS FOR
9     DUAL-DOMAIN OR MULTI-DOMAIN MOLECULES
11 <130> FILE REFERENCE: 34150/0013
13 <140> CURRENT APPLICATION NUMBER: US 09/667,237C
14 <141> CURRENT FILING DATE: 2000-09-22
16 <150> PRIOR APPLICATION NUMBER: US 60/155,978
17 <151> PRIOR FILING DATE: 1999-09-24
19 <160> NUMBER OF SEQ ID NOS: 52
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 9
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Glycine rich linker
31 <400> SEQUENCE: 1
33 Pro Gly Ile Ser Gly Gly Gly Gly Gly
34 1           5
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 16
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Asparagine rich linker
45 <400> SEQUENCE: 2
47 Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Leu Gly Ile Glu Gly Arg
48 1           5           10          15
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 15
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial
56 <220> FEATURE:
57 <223> OTHER INFORMATION: (Gly4-Ser)3
59 <400> SEQUENCE: 3
61 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
62 1           5           10          15
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 30
67 <212> TYPE: DNA

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68 <213> ORGANISM: Artificial
70 <220> FEATURE:
71 <223> OTHER INFORMATION: VH domain forward primer, chemically synthesized
73 <400> SEQUENCE: 4
74 gtggcatgca ggttcaactg gtggagtctg 30
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 26
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial
82 <220> FEATURE:
83 <223> OTHER INFORMATION: VH domain reverse primer, chemically synthesized
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (1)..(3)
89 <223> OTHER INFORMATION: "asy" can appear from 1 to 50 times before the remainder of
the
90 sequence
92 <400> SEQUENCE: 5
93 asytgaggag acggtgacca gggttc 26
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 41
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial
101 <220> FEATURE:
102 <223> OTHER INFORMATION: VH domain reverse primer, first reaction, chemically
synthesized
104 <400> SEQUENCE: 6
105 asyasyasya syasyasytg aggagacggt gaccagggtt c 41
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 50
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial
113 <220> FEATURE:
114 <223> OTHER INFORMATION: VH domain reverse primer, second reaction, chemically
synthesized
116 <400> SEQUENCE: 7
117 asyasyasya syasyasyas yasyasytga ggagacggtg accagggttc 50
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 29
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: VL domain forward primer, chemically synthesized
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <223> OTHER INFORMATION: "rst" can appear from 1 to 50 times before the remainder of
the
132 sequence
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (1)..(3)
137 <223> OTHER INFORMATION: "rst" can appear from 1 to 50 times before the remainder of
the

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138 sequence

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140 <400> SEQUENCE: 8
141 rstgacattc agatgaccca gtctccttc 29
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 39
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial
149 <220> FEATURE:
150 <223> OTHER INFORMATION: VL domain reverse primer, chemically synthesized
152 <400> SEQUENCE: 9
153 caccctaggc tatcgtttga tcagtacctt ggtcccctg 39
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 44
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: VL domain forward primer, third reaction, chemically
synthesized
164 <400> SEQUENCE: 10
165 rstrstrstr strstrstga cattcagatg acccagtctc cttc 44
168 <210> SEQ ID NO: 11
169 <211> LENGTH: 53
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: VL domain forward primer, fourth reaction, chemically
synthesized
176 <400> SEQUENCE: 11
177 rstrstrstr strstrstrs trstrstgac attcagatga cccagtctcc ttc 53
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 39
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized
188 <400> SEQUENCE: 12
189 actactgcta ctggtgctag tactactgct ggtgctagt 39
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 13
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Linker region amino acid sequence
200 <400> SEQUENCE: 13
202 Thr Thr Ala Thr Gly Ala Ser Thr Thr Ala Gly Ala Ser
203 1 5 10
206 <210> SEQ ID NO: 14
207 <211> LENGTH: 39
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized

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214 <400> SEQUENCE: 14
215 gctactgctg ctagtggtgc tgctgctggt ggtggtact 39
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 13
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Linker region amino acid sequence
226 <400> SEQUENCE: 15
228 Ala Thr Ala Ala Ser Gly Ala Ala Ala Gly Gly Gly Thr
229 1 5 10
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 39
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized
240 <400> SEQUENCE: 16
241 gctactggtag ctagtactag tgctactgct ggtggtagt 39
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 13
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Linker region amino acid sequence
252 <400> SEQUENCE: 17
254 Ala Thr Gly Ala Ser Thr Ser Ala Thr Ala Gly Gly Ser
255 1 5 10
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 39
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized
266 <400> SEQUENCE: 18
267 agtactgctg ctggtactag tagtggtagt agtactggt 39
270 <210> SEQ ID NO: 19
271 <211> LENGTH: 13
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Linker region amino acid sequence
278 <400> SEQUENCE: 19
280 Ser Thr Ala Ala Gly Thr Ser Ser Gly Ser Ser Thr Gly
281 1 5 10
284 <210> SEQ ID NO: 20
285 <211> LENGTH: 51
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial

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## RAW SEQUENCE LISTING

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Input Set : F:\Rein1.ST25.txt

Output Set: N:\CRF4\08302006\I667237C.raw

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289 <220> FEATURE:
290 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized
292 <400> SEQUENCE: 20
293 gctagtactg ctactagtag tgggtggtggt ggtactggta gtagtgctgc t          51
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 17
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Linker region amino acid sequence
304 <400> SEQUENCE: 21
306 Ala Ser Thr Ala Thr Ser Ser Gly Gly Gly Thr Gly Ser Ser Ala Ala
307 1           5           10           15
310 Ala
314 <210> SEQ ID NO: 22
315 <211> LENGTH: 60
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized
322 <400> SEQUENCE: 22
323 gctactagta ctgctgctgc tgggtgctact agtgctactg gtgggtgctag tgggtactggt      60
326 <210> SEQ ID NO: 23
327 <211> LENGTH: 20
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Linker region amino acid sequence
334 <400> SEQUENCE: 23
336 Ala Thr Ser Thr Ala Ala Ala Gly Ala Thr Ser Ala Thr Gly Gly Ala
337 1           5           10           15
340 Ser Gly Thr Gly
341           20
344 <210> SEQ ID NO: 24
345 <211> LENGTH: 39
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Linker region nucleotide sequence, chemically synthesized
352 <400> SEQUENCE: 24
353 actgggtgcta gtgggtgctac tagtagtggt agtagtagt          39
356 <210> SEQ ID NO: 25
357 <211> LENGTH: 13
358 <212> TYPE: PRT
359 <213> ORGANISM: Artificial
361 <220> FEATURE:
362 <223> OTHER INFORMATION: Linker region amino acid sequence
364 <400> SEQUENCE: 25
366 Thr Gly Ala Ser Gly Ala Thr Ser Ser Gly Ser Ser Ser

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/30/2006  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51  
Seq#:52



**VERIFICATION SUMMARY**

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